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**Fermilab**

**Report on Estimates of Proton Fluxes Required for the  
N3 Hadron Beam for 30" Hybrid Runs**

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**M. I. T.**

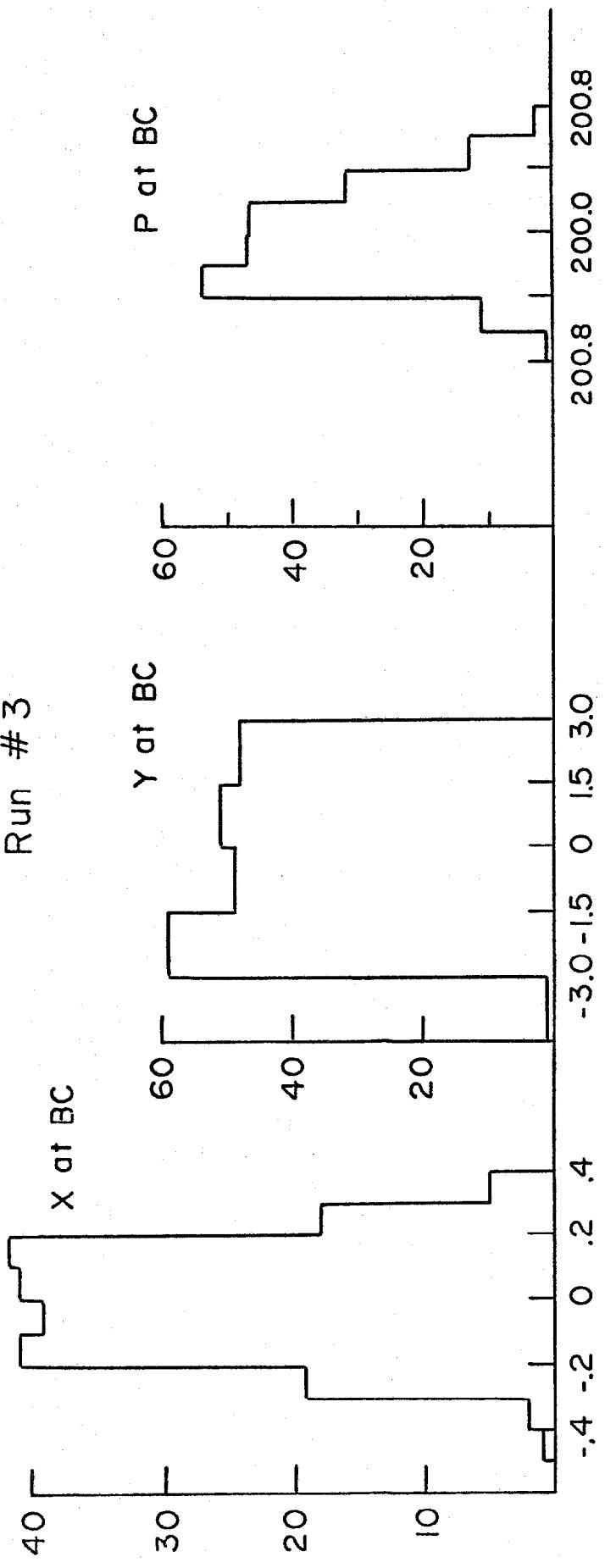
**May 23, 1979**

Incident Beam Momentum	Secondary Beam Momentum x charge	Momentum Coll. 3C03H width	Filter	Flux per ping
400 GeV/c	- 150 GeV/c	$\pm 0.25$ in	out	$6.9 \times 10^7$
400 GeV/c	- 150 GeV/c	$\pm 0.50$ in	out	$3.5 \times 10^7$
400 GeV/c	- 200 GeV/c	$\pm 0.25$ in	out	$2.6 \times 10^8$
400 GeV/c	- 200 GeV/c	$\pm 0.50$ in	out	$1.3 \times 10^8$
400 GeV/c	+ 150 GeV/c	$\pm 0.25$ in	in	$4.6 \times 10^7$
400 GeV/c	+ 150 GeV/c	$\pm 0.50$ in	in	$2.3 \times 10^7$
400 GeV/c	+ 200 GeV/c	$\pm 0.25$ in	in	$7.3 \times 10^7$
400 GeV/c	+ 200 GeV/c	$\pm 0.50$ in	in	$3.7 \times 10^7$

The table above assumes a production angle of 3.0 mr and acceptance of  $\sim 3\mu$  Str.

The help of the Neutrino Section, in particular Linda Stutte, Anthony Malensek and Gordon Koizumi is gratefully acknowledged.

Run #3



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Run #4

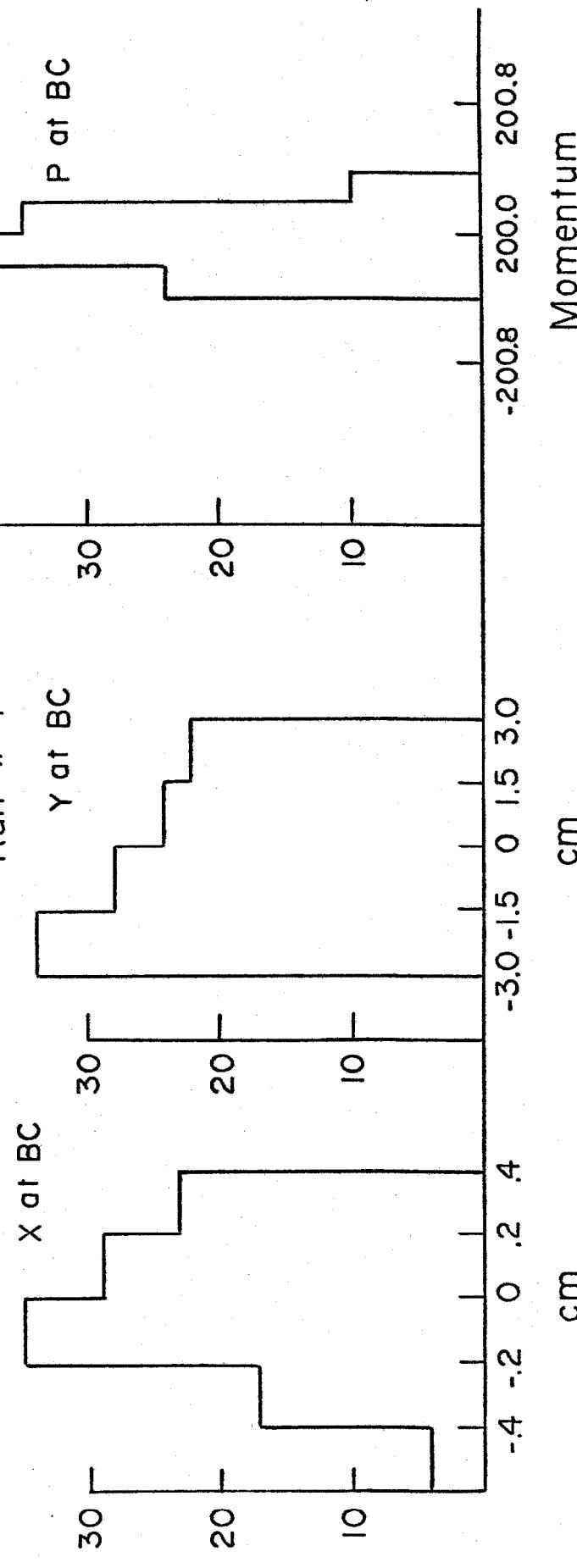


Fig. 2